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(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission 39

Application Number	09/932,531
Filing Date	August 17, 2001
First Named Inventor	Douglas W. Akers
Art Unit	3641
Examiner Name	Palabrica, R.J.
Attorney Docket Number	B-124

### ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD  <div>Remarks Response under 37 C.F.R. §§ 1.111 &amp; 1.121</div>	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Postcard for return by the United States Patent and Trademark Office
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### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Dahl & Osterloth, L.L.P.		
Signature	<i>[Signature]</i>		
Printed name	Bruce E. Dahl		
Date	December 22, 2004	Reg. No.	33,670

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Signature	<i>[Signature]</i>		
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:	)	
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AKERS, Douglas, W.	)	Examiner: Palabrica, R.J.
	)	
Serial No. 09/932,531	)	
	)	Group Art Unit: 3641
Filing Date: August 17, 2001	)	
	)	
For: APPARATUS FOR PHOTON	)	Confirmation No.: 4276
ACTIVATION POSITRON	)	
ANNIHILATION ANALYSIS	)	
	)	
Atty Dkt: B-124	)	
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**RESPONSE UNDER 37 C.F.R. §§ 1.111 & 1.121**

To: Commissioner of Patents  
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Sir:

In response to the Office Action dated September 27, 2004, kindly consider the Applicant's Remarks as these appear beginning on page 8, following the Claim Listing for the above-identified application starting with on page 2 hereafter.